

Dynspec Toolkit Container (DTC): The Jupiter Tutorial

This page provide to DTC users a tutorial to familiarize with the use of the DTC. DTC is documented on this page: http://www.lofar.org/wiki/doku.php?id=public:user_software:dynspec

Download Jupiter Data for the tutorial

Use the following link to download the 300 Mb of the ICD6 Jupiter data: [DATA](#)

Unzip:

```
unzip Jupiter.zip
```

In contrast to the other tutorials, the Jupiter data are already in dynspec format (ICD006). User can plays with these data, visualize, convert to linear polarization, rebin them etc ...

Visualization with Dynspec-Visu

 (click for larger version!)

Generate a dynspec with Linear, PA and Total polarization

Type the following command line in a terminal:

```
Dynspec-LinPol --outDir=$OUTPUT_DIR --ID=L85949 --filename=$FILENAME --RAM=1
```

Remember that the “-ID” keyword just determines the output filename ([dynspec_tools#tools_sub-package](#)).

The following text will appear on your terminal:

```
vilchez@lce010:/data/scratch/vilchez/Jupiter$ Dynspec-LinPol --outDir=/data/scratch/vilchez/Jupiter/ --ID=L85949 --filename=/data/scratch/vilchez/Jupiter/Dynspec_rebinned_L85949_SAP000.h5 --RAM=1
Linear Polarisation Process Finished

Duration of processing: 2.3 s
```

Visualization with Dynspec-Visu (linear polarization):

 (click for larger version!)

Conclusion

Now, we investigated all DTC functionalities.
In case of questions mail to: vilchez@astron.nl

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- Sun tutorial: [The Sun](#).
- Cas A tutorial: [Cas A](#).

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